



Summer Migrant Program Technology Supports

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About Me...

- Title 1C – Summer Migrant Director for the Kent City program.
 - Kent City is located in Northern Kent County (15 miles north of Grand Rapids).
- We serve five districts with a total of 290 students this summer.
- 14 years of Migrant Education experience.
- 16 years of teaching experience (Computer Science).



iPads

Hardware and Apps

iPads

- 35 iPads – (2nd gen, 4th gen, 5th gen)
 - All are running ios 7
- Focus - 1st on intervention
 - Intervention Team – 2 teachers
 - Math and Reading
 - Push in and pull out
 - Grouping based on pre-testing
- Focus - 2nd on classrooms
 - Kindergarten through MS/HS

Intervention

- Intervention uses nearly everyday. Reading, sight words, level books, sentence structure
- Number recognition, adding, multiplying, counting money, etc.
- Learning is individualized, and self paced

Regular Classroom

- Used whole class or with centers
- Kindergarten through MS/HS
- Keeps learning fresh and students engaged (because there are so many apps to choose from).
- Kids love using them. Don't want to stop. Always want to be on them.

Hardware

- I pads (5th generation)
- \$480 if bought in groups of 10 from apple direct
- Casecrown cases - highly recommended cases
- 1 Apple Airbook, Macbook, or iMac - For administering apps
- 1 Sync and Charge Cart
- Applecare - Protection plan?

The Apps - Videos

Endless ABC (alphabet)

Reading Raven

Bob Books

Starfall (app and website)

Splash Math

Counting Caterpillar

Freefall Money

Virtual Human Body

Setup One

Slimmed down set-up

10 Ipads or less

Charge cart (No sync)

No macbook

Pros

Cost

Ease of Use

Cons

Slower

More expensive apps

Details

- iTunes account (not personal... SMP related)
- You can have the same account logged into multiple Ipads (Apple says 6 is the limit, not sure if it's restricted though).
- Set up Ipads individually (you may be able to set up one, save to cloud and then download for each Ipad).
- Buy your apps and download to each Ipad

Setup Two

Full setup

11 Ipads or more

Macbook

Apple Configurator

Charge/Sync Cart

Pros

More Powerful

More efficient

Cheaper Apps (1/2 off)

Cons

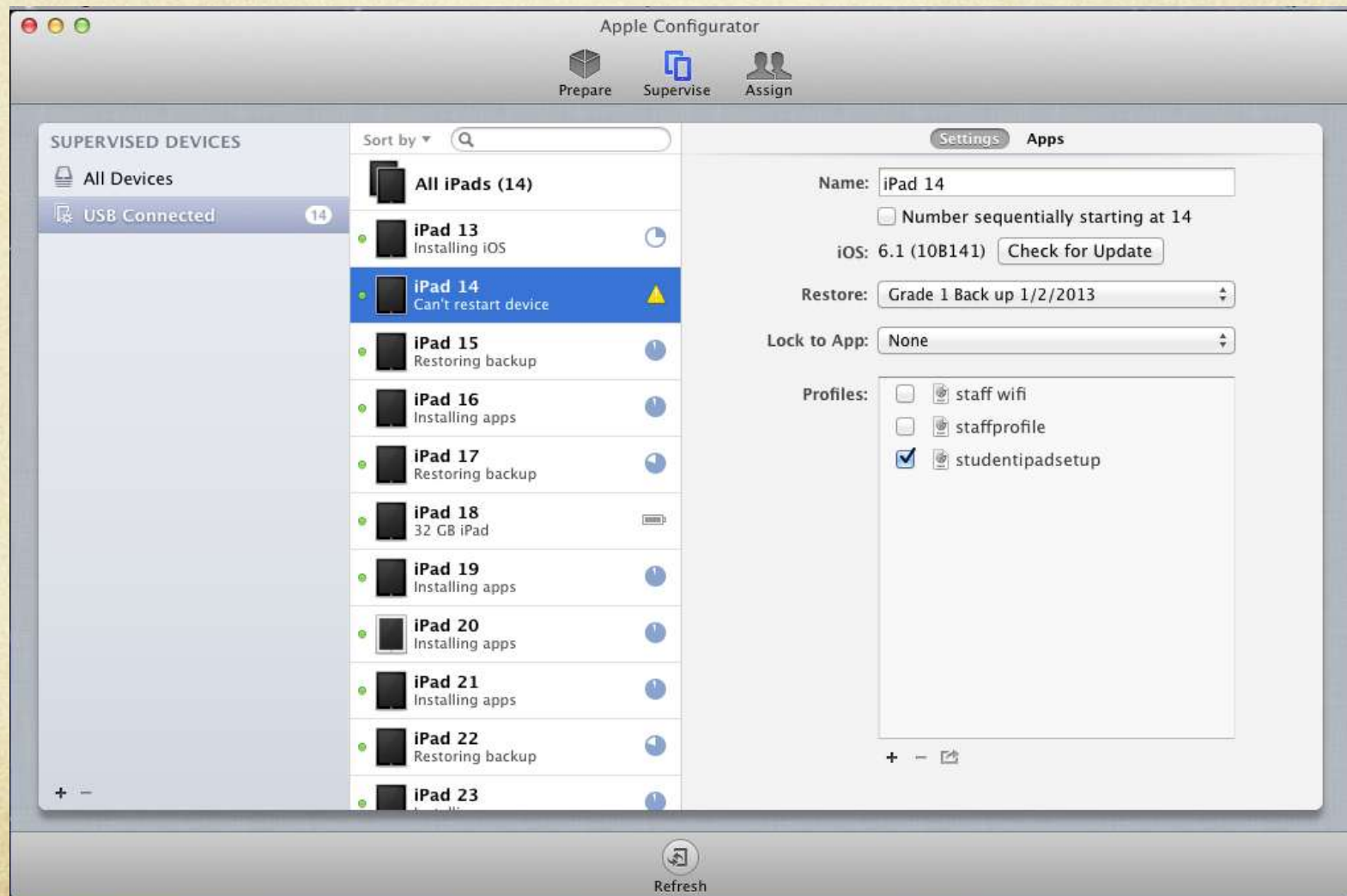
More Expensive

More Complicated

Details

- Sign up for VPP (Volume Purchasing Program) through Apple. This will be one Apple ID.
- You need a 2nd Apple ID for your Ipad Logins
- Download Apple Configurator (this is why you need a Mac Mini or Macbook).
- Use Apple Configurator to
 - Set up an Ipad and save configuration (Wifi setting, In App Purchasing, Naming, etc.)
 - Push down settings to all Ipad
 - Purchase and push down apps (1/2 off apps 20+more)
 - **Website**

Apple Configurator



Sync/Charge Cart

Spectrum Furniture (REMC participant)

<http://www.spectrumfurniture.com/products/productDetail.cfm?pc=2&psc=91&prod=1457>

<http://www.youtube.com/watch?v=GWqwL-hjCkE&feature=youtu.be> (video)

**InTouch 20 Tablet Cart with
Sync/Charge™ System -\$2500
delivered.**

Regular School Year MP

Our regular school year Migrant Program uses the Ipads in their instruction as well.

Divide up the Ipads into groups of 10.

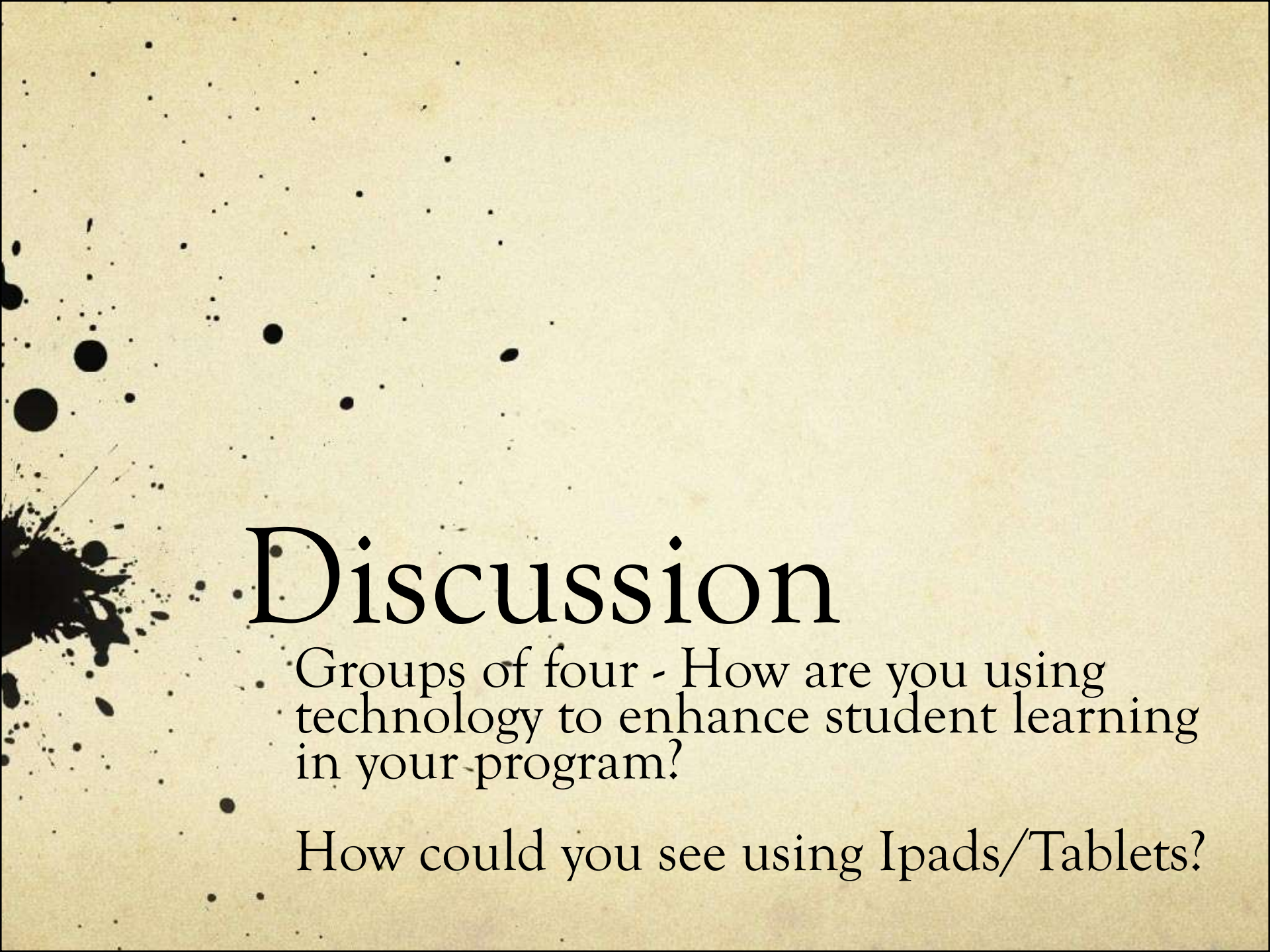
Use smaller charge/sync boxes (Kensington)

Set up in the El, MS, HS

Had to use different cases- Slim Design

Had to buy short 6" cables

Ipads are used throughout the year by Migrant students with continued success.



Discussion

Groups of four - How are you using technology to enhance student learning in your program?

How could you see using Ipads/Tablets?



OSY - iPOD

OSY

Out of School Youth iPod program

The Problem

- Reaching older students who would rather work than go to school during the summer but could really use the help.
- Family needs the help

iPods

- Keeping students engaged and learning WHILE they work.
- **KCSMP – iPod Program**
 - Load audio books on small Ipods so students can **listen AND work.**

Audiobook Benefits

Mental Stimulation

Just like any other muscle in the body, the brain requires exercise to keep it strong and healthy, so the phrase “use it or lose it” is particularly apt when it comes to your mind.

Knowledge

Everything you read/listen to fills your head with new bits of information. Background knowledge is a key to understanding many different topics.

Vocabulary Expansion

This goes with the above topic: the more you read, the more words you gain exposure to, and they'll inevitably make their way into your everyday vocabulary.

Audiobook Benefits

Memory Improvement

When you read/listen to a book, you have to remember an assortment of characters, their backgrounds, ambitions, history, and nuances, as well as the various arcs and sub-plots that weave their way through every story.

Stronger Analytical Thinking Skills

Have you ever read an amazing mystery novel, and solved the mystery yourself before finishing the book? If so, you were able to put critical and analytical thinking to work by taking note of all the details provided and sorting them out to determine “whodunnit”.

Improved Focus and Concentration

Audiobook Benefits

Better Writing Skills

This goes hand-in-hand with the expansion of your vocabulary: exposure to published, well-written work has a noted effect on one's own writing, as observing the cadence, fluidity, and writing styles of other authors will invariably influence your own work.

Entertainment

Books are fun to listen to or read.

Benefits

- Better participation
- Keeps student engaged and thinking of school
- Gives us a chance to connect and gently push them to stay in school, graduate, and go on to college.

Results- Student Quotes

“The ipod helped my brain think while I had to work in the way of I had to think like the author and imagine like it was me. See the problem in the story and think how would the story end with happy ever after? Also it kept me busy and not have me bored out of my mind. It was something new and I would love to do more of it. “

Did you learn something new or different? Explain?

“In a book you can always learn something new and more if you love to read (or listen) like me. I learned that it's never good to judge someone just based on looks. “

Results

“I liked all of the books, they were amazing. My favorite was “The Help”. It was on stories from Maids that would tell what would happen at the house where they would housekeep at. How mothers wouldn’t take good care of the babies or how careless they were. “

“Mrs. B. the ipod shuffle is an amazing way to help kids like me succeed in life. I hope more students are up for the challenge because I was glad I took it.

Thank You!”

Details

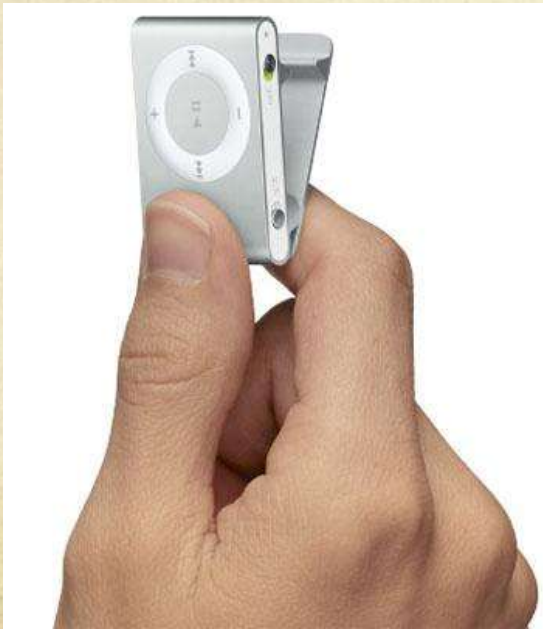
- Ipod Agreement
- Ipod User Guide
- Audio Book Summary
- Survey Questions
- Possible student end pieces - Book club or writing piece

Extensions

- Load ESL lessons
 - Materials from Tennessee
 - Georgia
- Podcasts
 - ESL from Itunes

iPods

Ipod
Shuffle



Ipod Nano



Equipment

- Ipods (Details pros/cons)
 - Ipod nano- Bigger and with a screen (\$150)
 - Ipod Shuffle- Smaller but not screen (\$60)
 - You can use Itunes
 - Easier to manage- Books, PodCasts
 - More expensive (surprise)
 - Books are \$12-\$24 a piece
- MP3 Players
 - Sansa Clip - Small with a screen (\$40)
 - Would have to convert Books if bought in Itunes.
 - Harder to manage
- Cases, Headphones, Books

Technology Helps With...

- Any Where
- Any Time
- Learning

Groups of Four

Have you ever listened to an audio book?

If yes what was your experience?

Do you enjoy reading?

Do you have students that you could see this working with?



STEM – EV3

STEM – EV3

Science Technology Engineering Math

STEM and Lego EV3 Robotics

- Introduction
- <http://video.legoeducation.us/default.aspx?vID=127&gID=3>

Goal

- To provide extended learning opportunities to students who need it the most (At-Risk). To do so in an investigative/questioning, hands-on, and engaging manner. The curriculum is standards based covering over 20 of the Next Generation Science Standards as well as Common Core standards in Math, Science, and Technology. This program will capture student interest because of the robotics, engineering, computer work, etc. and yet challenge them to think deeply, work cooperatively, and produce solutions to problems

Lego EV-3



- Core Set - \$ 340.00
- Software (for programming and data logging) - \$100.00
- Curriculum – Classroom activities - \$55.00

Optional EV3



- EV3 Expansion Set - \$100.00
- EV3 Design Engineering Projects - \$300.00

Program

- Summer
 - MS/HS classroom during the summer program.
 - Work on STEM during the afternoons.
- Regular Year
 - MS/HS after school program
 - Two teachers
 - 2:45 - 4:00pm twice a week for eight weeks

Results

Questions

- In groups of 3 to 4 answer these questions
 - Have you heard of STEM?
Where/When?
 - In what ways does your school/program teach STEM?
 - What questions do you still have about using Lego EV3?

ACCESS = OPPORTUNITY

Opportunity for

- Learning
- Engagement
- Enrichment
- A full life